JP 7-173089

AN 1995:804784 CAPLUS
DN 123:315749
TI Preparation of high-purity tetrakisphenolethanes
IN Inatomi, Shigeki; Kai, Isao; Mori, Shigeru
PA Asahi Organic Chem Ind, Japan
SO Jpn. Kokai Tokkyo Koho, 4 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
IC ICM C07C039-15
ICS B01J027-02; B01J027-06; B01J031-02; B01J031-04; C07C037-20
ICA C07B061-00
CC 37-6 (Plastics Manufacture and Processing)
Section cross-reference(s): 74

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 07173089	A2	19950711	JP 1991-122888	19910426
	JP 2897850	B2	19990531		

AB The title compds., useful as materials for thermosetting resins, curing agents for epoxy resins, ballasts of photosensitive agent for photoresists, modifiers for phenolic resins, antioxidants, etc., are prepd. in high purity by condensation of phenols with glyoxal in the presence of acidic catalysts, concn. of the reaction mixt. to remove volatile components, and then treatment of the residual matter with org. solvents capable of dissolving low-mol.-wt. compds. and higher condensates and acting as poor solvents to the title compds. A mixt. of PhOH, glyoxal, and p-MeC6H4SO3H was heated under reflux over 1 h and further stirred at the reflux temp. for 6 h. Subsequently the reaction mixt. was vacuum-concd. and the solid residue was ground and treated with acetone under stirring to give 11.3% (4-HOC6H4)2CHCH(C6H4OH-4)2 with purity 94.4%.

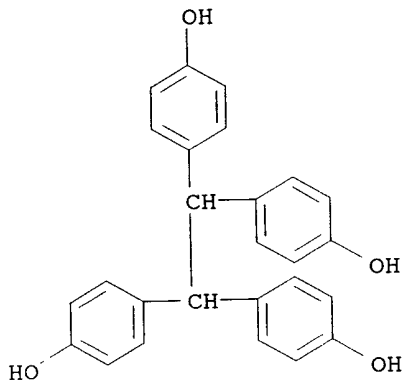
ST hydroxyphenylethane prepn purifn solvent acetone; THF purifn solvent hydroxyphenylethane prepn; ethane tetrakisphenol prepn; phenol condensation glyoxal

IT 7727-33-5P, 1,1,2,2-Tetrakis(4-hydroxyphenyl)ethane 108261-54-7P
RL: IMF (Industrial manufacture); PUR (Purification or recovery); SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(prepn. of tetrakisphenolethanes in high purity by acid-catalyzed condensation of phenols with glyoxal, concn., and treatment with org. solvents)

IT 67-64-1, Acetone, uses 78-93-3, Ethyl methyl ketone, uses 108-10-1, Isobutyl methyl ketone 109-99-9, Tetrahydrofuran, uses
RL: NUU (Nonbiological use, unclassified); USES (Uses)
(prepn. of tetrakisphenolethanes in high purity by acid-catalyzed condensation of phenols with glyoxal, concn., and treatment with org. solvents)

IT 95-48-7, o-Cresol, reactions 108-95-2, Phenol, reactions 108-95-2D, Phenol, derivs.
RL: RCT (Reactant)
(prepn. of tetrakisphenolethanes in high purity by acid-catalyzed condensation of phenols with glyoxal, concn., and treatment with org. solvents)

RN **7727-33-5** REGISTRY
CN Phenol, 4,4',4'',4'''-(1,2-ethanediylidene)tetrakis- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Phenol, 4,4',4'',4'''-ethanediylidenetetra- (6CI)
OTHER NAMES:
CN 1,1,2,2-Tetrakis(4-hydroxyphenyl)ethane
CN 1,1,2,2-Tetrakis(p-hydroxyphenyl)ethane
CN TEP-DF
MF C26 H22 O4
CI COM
LC STN Files: BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMLIST, IFICDB, IFIUDB, TOXLIT, USPATFULL
(*File contains numerically searchable property data)
Other Sources: EINECS**, NDSL**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)



59 REFERENCES IN FILE CA (1967 TO DATE)
8 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
59 REFERENCES IN FILE CAPLUS (1967 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)